

Running psana Batch Tests

You can run the batchtest quickly on a couple of nodes like this:

```
psanagpu105:~$ source /cds/sw/ds/ana/conda1/manage/bin/psconda.sh
(ana-4.0.42) psanagpu105:~$ python /cds/group/psdm/utils/batchtest_slurm/batchtest.py psanal203 psanal205
('launched', 'psanal203_psanal205_06_17_091719.log')
srun: do not allocate resources
(ana-4.0.42) psanagpu105:~$ head -5 /cds/group/psdm/utils/batchtest_slurm/logs/psanal203_psanal205_06_17_091719.log
slurmstepd: error: psanal203 [0] pmixp_utils.c:471 [pmixp_p2p_send] mpi/pmix: ERROR: send failed, rc=111,
exceeded the retry limit
slurmstepd: error: psanal203 [0] pmixp_server.c:1578 [_slurm_send] mpi/pmix: ERROR: Cannot send message to /var
/spool/slurmd/stepd.slurm.pmix.-19544.1733666360, size = 266, hostlist:
(null)
(ana-4.0.42) psanagpu105:~$
```

This has to be done on psanagpu105 (psanaq) or drp-srcf-eb003 (ffb) because it requires this:

```
(ana-4.0.42) psanagpu105:~$ sudo cat /etc/sudoers.d/srun
[sudo] password for cpo:
cpo ALL=(slurm) NOPASSWD:SETENV: /usr/bin/srun
wilko ALL=(slurm) NOPASSWD:SETENV: /usr/bin/srun
(ana-4.0.42) psanagpu105:~$
```

You can run the batchtest on all nodes (launched from the above two nodes) with this command. There is a 5-minute timeout in the script while it waits for jobs to run and should automatically send you email after that time summarizing the failures:

```
/cds/group/psdm/utils/batchtest_slurm/batchtest.sh
```